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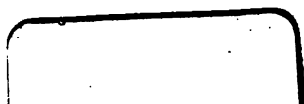


Harvard College Library

FROM

The Author.

4 Nov., 1885.



Harvard College

The Librarian

Lloyd P. Smith

ON THE

CLASSIFICATION OF BOOKS

A PAPER READ BEFORE THE AMERICAN LIBRARY
ASSOCIATION, MAY, 1882.

BY
LLOYD P. SMITH,
LIBRARIAN OF THE LIBRARY COMPANY OF PHILADELPHIA.

Expertus discas quam gravis iste labor.—Facciolati.

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THIS HUMBLE CONTRIBUTION TO BIBLIOGRAPHICAL SCIENCE

IS INSCRIBED BY THE

AUTHOR.

MAY, 1882.

A PLAN
FOR THE
CLASSIFICATION OF BOOKS
AS WELL IN A
PRINTED CATALOGUE
AS ON THE
SHELVES OF A LIBRARY.

INTRODUCTION.

HOWEVER they may differ on the subject of cataloguing, librarians are agreed that books should be arranged on the shelves according to subjects. Experience teaches that it is impossible to attach too much importance to the advantages flowing from a wise and methodical order in the arrangement of a library. It is when it comes to systems of classification that experts—a limited number—begin to differ; and the reason is not far to seek. It is mainly because of the hardness of the task, which is so great that Aristotle, who executed it for the King of Egypt, was said by Strabo to be the only man who was ever able to arrange the books of a large library in an orderly and systematic manner. From that time to the present, the classification of human knowledge has occupied, more or less, the attention of some of the wisest of mankind, including such men as Bacon, Leibnitz, D'Alembert, and Coleridge. I refrain from wearying you with an account of the various systems which have been put forward from age to age. Those who wish to examine the history of the subject, will find it set down in detail in Woodward's *System of Universal Science* (Philadelphia, 1816). Suffice it to say that the genius of orderly arrangement seems, in modern times, to have taken up its special abode with the French, who have succeeded as well in classifying books as they have in ordering some other things usually considered more important.

The system of dividing a library into five classes—Theology, Jurisprudence, Sciences and Arts, Belles Lettres, and History, the whole followed or preceded by Bibliography—is commonly ascribed to the great French bibliographer, G. F. De Bure, a bookseller of Paris (1731–1782); but he appears to have merely adopted the plan of his predecessor in the same business, Gabriel Martin (1679–1761), who himself borrowed from Jean Garnier's *Systema bibliothecæ collegii Parisiensis Societatis Jesu* (1678). The plan, being found to work well in practice, has since been commonly followed in the catalogues and libraries of France, and, indeed, of the Continent generally; and in the arrangement of its books on the shelves, a system not very different is now practised at the British Museum. This plan was also deliberately adopted, but not without valuable improvements in detail, in the preparation of his catalogue of the Philadelphia Library (1835) by my learned and painstaking predecessor, the late George Campbell. That classified catalogue was a thorough and scholarly piece of work, to which was added a copious alphabetical Index; but in the mean time the Philadelphia Library had no classification on the shelves, it being probably the only large collection of books in the world where the volumes were arranged by sizes only, and in the order of accession. The defects of that system—or want of system—were so serious that, on the occasion of removing the Loganian Library and the greater part of the books of the Library Company, in 1878, to the Ridgway Branch, the opportunity was embraced to make a more logical disposition of them on the shelves, and one based, as to its main features, on the

system of the printed catalogue of 1835. It was in the actual execution of this work—*res sane magni momenti multique sudoris*—that the accompanying classification was wrought out; and as a bibliographical system, to be of value, must be the fruit of experience rather than an effort of genius, it has occurred to me that my fellow-members of the American Library Association might possibly find in it some useful suggestions.

The classification is intended to be permanent only so far as the six main classes A E I O U and Y, and their sub-classes a, b, c, d, e, etc., are concerned. In its details it is open to modification to suit the needs of libraries devoted mainly to the collection of one or a few classes of books. As the volumes multiply on the shelves, it is obvious that the divisions 1, 2, 3, 4, etc., can be added to indefinitely,—by each librarian for himself—without deranging the system. Moreover, the divisions can themselves be subdivided by supplying arbitrary marks. For example, under Zoology (I16), I have made but one subdivision, that of Birds (I16+), whereas an Academy of Natural Sciences might well find it expedient to distribute their works on the animal kingdom in accordance with the elaborate plan set forth in Agassiz's *Essay on Classification*. On the other hand, a small library may content itself with the classes and sub-classes marked by letters only, or even with the classes A E I O U Y alone. It is to be remarked in passing that, by this arrangement, whatever improvements may be made from time to time in the details of the system, the books have always a relative, and not a fixed location on the shelves, so that they may be moved from shelf to shelf, from case to case, and from building to building, without altering the shelf marks.

The system is available, not only for the arrangement of books on the shelves, but also for their classification in a subject catalogue. Indeed, the shelf lists themselves form—when properly made—a subject catalogue, which may be sent off to the printer as soon as there is money enough to pay for setting them up in type. It is true that most of the ends of a subject catalogue may be gained by the modern dictionary catalogue—combining authors and subjects in one alphabet—which it is to the credit of Mr. Poole to have invented, and of Messrs. Cutter, Noyes, and others to have developed; but, nevertheless, to my mind, the ideal printed catalogue is a classified one, with a copious alphabetical index. Suppose that the British Museum had such a printed catalogue to-day, how much would the usefulness of that great Institution be enhanced!

It is only too obvious that the librarian who adopts this, or indeed any plan for the classification of books, must sometimes be at a loss to decide exactly under what subdivision to place a particular book, the problem, in difficult cases, being quite the highest proposed to a bibliographer. The rule is to place each book under its most specific class, but nevertheless two successive librarians—or indeed the same one at different times—might, without impropriety, classify the same book under different heads. To secure uniformity, therefore, and to make the work of cataloguing and classifying books arranged on this plan more easy, the accompanying Synopsis and Classification are followed by an alphabetical Index. In its preparation, I have made use of the subject Index of my ingenious friend Mr. Melvil Dui, in his excellent *Classification of a Library* (Amherst, 1876). By his kind permission, it is

here reproduced, with the addition of about nine hundred new catchwords which were found desirable in practice; for some of the latter I am indebted to Mr. F. B. Perkins' *Rational Classification of Literature* (San Francisco, 1881), which reached me as these sheets were passing through the press. *The alphabetical class-signs in my system are placed alongside of the numerical class-signs in Mr. Dui's system.* The reason for adopting an alphabetical instead of a numerical designation of the several classes and sub-classes was simply to prevent confusion in calling for a book by its number, it being thought that the number of the class might be mistaken for the number of the book. This, of course, is a matter of detail which may be changed without affecting the system.

Whether the classification itself is more or less logical than that of others who have attempted this hard and thankless, but needful task, it is not for me to say. It has at least the merit of not being made out of nothing, but rather of having been evolved from a pre-existing system which has the approval of the best bibliographers of Europe, and which has been tried for centuries, and not found wanting. *Nolumus leges Angliæ mutare.* I believe the groundwork of the system to be good, but I know very well that the building I have raised upon it can be improved; and therefore any one who thinks of making use of either would do well to study—among others—the *Table Méthodique* of Brunet, and the classification—which, however, is rather crude—of the British Museum. The latter can be consulted in Henry Stevens' *Catalogue of the American books in the Library of the British Museum* (London, 1866). Mr. Dui's and Mr. Perkins' highly original systems are also full of valuable suggestions, though the former is, to my thinking, not sufficiently worked out in detail, while the latter, with its six thousand classes—ten times as many as are used in the British Museum—is, if anything, too much so. The reference alphabet—first used by Mr. Dui—gives their systems of classification, in point of practical utility, a decided advantage over others; and Mr. Dui's decimal division brings in an element of simplicity which has, in theory at least, some obvious advantages. It is also steadily making its way into practice, and I understand there are more American libraries now using that plan than any other. Mr. Perkins "believes that his system accomplishes some good things which Mr. Dui's does not, and cures some defects in it:" and I agree with him. If I did not think that mine was on the whole better than either, I should not publish it. Nevertheless, I am free to say that in working out the details I consider Mr. Perkins' arrangement in some respects better than my own, and if I had seen it in time I could have improved mine in several ways. Mr. Swartz's Mnemonic System, and that of Mr. Cutter—described in Vol. IV. of the *Library Journal*—are also worthy of the highest consideration. Doubtless the true Classification of Books, at once rational and convenient in practice, is a thing yet to be established, but at any rate the materials for it exist; and if the present System with its Index—on which I have been working more or less for the past four years—contributes in any degree to make the labors of those who follow me more easy, it is all that I expect.

I have only to add my thanks to our excellent Secretary for his kindness in undertaking the publication of the work, and to say that its profits, if any, are to go to the American Library Association.

SYNOPSIS.

- Class A. RELIGION.**
- E. JURISPRUDENCE.**
- I. SCIENCES AND ARTS.**
- O. BELLES LETTRES.**
- U. HISTORY.**
- Y. BIBLIOGRAPHY AND THE HISTORY OF LITERATURE.**
- Subclasses. a, b, c, d, e, etc.**
- Divisions. 1, 2, 3, 4, etc.**
- Subdivisions. +, △, □, IV, V, VI, etc.**

CLASSIFICATION.

CLASS A. RELIGION.

(Cyclopædias of Religion are classed A only.)

- a Treatises on Toleration.
- b Treatises on Natural Religion and on the existence of a God, His attributes, etc.; Theism, Pantheism, Atheism. (See A o 8.) Bridgewater treatises.
- c The Holy Scriptures. Texts, Paraphrases, and Versions.
 - 1. Bibles.
 - 2. Selections from both Testaments.
 - 3. Old Testament.
 - 4. Apocryphal books.
 - 5. New Testament.
 - 6. Parts of the New Testament.

Note: under each division Versions are placed in the alphabetical order of their languages, preceded by Polyglots.
- d Scripture histories, dictionaries, cyclopædias, concordances, chronologies, and harmonies. The life of Christ.
 - 1. Treatises on the Canon.
- e Criticism, interpretation of, and commentaries on, the Scriptures.
- f Treatises on the Truth and Evidences of revealed religion. Hulsean, Bampton, Boyle, and Bohlen lectures.
 - 1. Faith and reason, Science and revelation.
 - 2. Miracles. The resurrection of our Lord.
 - 3. Inspiration.
- g Creeds, catechisms, liturgies, and treatises thereon. The Christian Year. Rites and ceremonies, sacraments, ordinances.
 - 1. Missals, breviaries, etc. Pontificale Romanum.
 - 2. Book of Common Prayer.
- h Collections of prayers and meditations. The Lord's Prayer, Answers to prayer, Prayer meetings, etc.

- i Metrical versions of the Psalms ; Hymns and works thereon.
- k Ancient and modern theologians. The Fathers, and works on them.
- l Doctrinal, practical, controversial, and miscellaneous divinity. Systematic and pastoral theology.
 - 1. The controversy between the Roman Catholic Church and Protestantism, etc. (See A o 11, 12, 13, 15 +.)
 - + . Infallibility.
- m Sermons, pastoral letters and charges, etc. Homiletics. Pulpit elocution and oratory.
- n Jewish antiquities, history, customs, literature, philosophy, etc. Books (other than the Bible) printed in Hebrew. The Talmud, rabbinical literature, the Kabbala.
 - 1. The Sabbath and the Lord's Day.
- o Ecclesiastical history ; Christian antiquities ; the primitive church.

Note : Under each of the following heads are placed controversial, periodical, and other works illustrating the history of the denomination in question.

 - 1. Oriental Churches.
 - 2. Latin (See A o 13, and U u 2).
 - + . Jansenists, Quietists, Mystics, Port Royal. Old Catholics.
 - △. Gallican Church, etc.
 - . Spain, etc.
 - IV. R. C. Church in the U. S. and Canada.
 - 3. Anglican and Protestant Episcopal. Christianity in England.
 - + . Reformed Episcopal Church.
 - 4. Scottish and Presbyterian.
 - 5. Congregational ; the Puritans ; N. England.
 - 6. Baptist. Works on baptism.
 - 7. Methodist.
 - 8. Unitarian and Universalist.
 - + . Arian and Socinian history and controversy.
 - 9. Mormon. Utah.
 - 10. Society of Friends, including lives and works of its founders. Progressive Friends.
 - 11. Other denominations. The Reformation. Protestant sects. (See A l 1.)
 - + . Reformation in Germany : Luther and the Lutheran Church.
 - △. Reformation in Switzerland, Holland, etc. Calvin and the Reformed Church.
 - . Reformation in France. The Huguenots.
 - IV. " Italy.
 - V. " Spain.
 - 12. History of the Inquisition.
 - 13. Collected lives of Saints, Popes, Cardinals, etc. Martyrologies. (See U z, and U u 2.)
 - 14. Collected religious biography. Collected lives of missionaries. (See U z.)

15. Bible, missionary, and other Societies. Missions.

+. Monastic and religious Orders. Flagellants. Lollards.

△. Society of Jesus.

Note: For North American Jesuit Relations, etc., see U y 9 +.

16. History of dogma and heresy. Councils, their decrees and canons.

p Islam.

1. Life of Mahomet.

2. The Koran, etc.

q Paganism. Mythology.

1. Comparative mythology; views of all religions; science of religion; origin of belief; symbolism; serpent worship; Sabianism. (See I e, O f 7, U i.)

2. Greek and Roman mythology.

+. Oracles; Sibylline books; Eleusinian mysteries, etc.

3. Mythology of Germany and Northern Europe.

4. Hinduism; Buddhism; Jainism; the Vedas; the Bagvat Gita, etc. Works in Sanskrit and translations thereof.

5. Parseeism. Zend-Avesta. Culte de Mithra.

6. Religions of China and Japan. Chinese classics and literature. (See U x 2, and O a 2 note.)

7. Other religions. (See U f 4.)

r Theological and religious periodicals. (See A o note.)

CLASS E. JURISPRUDENCE.

- a General treatises on laws: legal miscellanies, periodicals, and history; professional ethics; the law of evidence; oaths; courts.
 - 1. Law dictionaries.
- b Law of nature and of nations. Sea laws. Diplomatic and consular manuals.
- c Treaties.
- d Ancient, civil, feudal, and ecclesiastical law.
- e Common law and Equity.
 - 1. Law of real property. Conveyancing.
 - 2. Commercial law.
 - 3. Law relating to women, marriage, and divorce. (See I g 2.)
- f Constitutional and municipal law and commentaries.
 - 1. The United States.
 - 2. Particular States, alphabetically.
 - 3. Great Britain.
 - + . Constitutional history.
 - △ . Colonial.
 - 4. Continental Europe.
 - 5. Asia.
 - 6. Other countries.
- g Parliamentary law and practice. Rules of order.
- h Criminal and penal law. Police and prison discipline. Houses of refuge and correction. Detectives. Crime.
 - 1. Capital punishment.
- i Medical jurisprudence.
- k Trials.
 - 1. Criminal and State trials.
 - 2. Reports. Trials in civil cases.
 - + . English.
 - △ . American, alphabetically by states.
 - 3. Individual and particular cases.
 - 4. Ecclesiastical trials.
- m Patent law; Copyright.
- n Military law; treatises on courts martial. Army regulations. Militia laws.
 - 1. Trials by court-martial.

CLASS I. SCIENCES AND ARTS.

- a Philosophy: general and miscellaneous works. (See I c.)
 - 1. History of philosophy. Philosophical dictionaries.
- b Cyclopedias and dictionaries of arts and sciences. Collections of useful knowledge.
 - 1. French, German, etc.
- c Metaphysics. Psychology. (See I a.)
- d Physiognomy and Phrenology. Temperaments.
- e Occult philosophy. Prophecies other than Biblical. Swedenborg and his works.
 - The future life considered apart from Revelation. (See A q 1, U i.)
 - 1. Alchemy.
 - 2. Astrology and palmistry; fortune telling; oneiromancy.
 - 3. Demonology; witchcraft; apparitions; hallucinations; stigmata.
 - 4. Modern Spiritualism; mesmerism; somnambulism; dreams; sleep.
- f Logic.
- g Moral philosophy; Ethics.
 - 1. Ethical treatises on the Passions, Virtues, Vices, Peace, Solitude, Happiness, Suicide, etc.
 - 2. Marriage and the condition, duties, and rights of women; sex in nature; the family. (See F l.)
 - 3. Etiquette, courtesy, the character of a gentleman. (See U h.)
 - 4. Casuistry, Christian morals. Cruelty to children and animals. Vivisection.
 - 5. Temperance. Prohibitory and license laws. (See I n 2 +.)
 - 6. Lotteries and gambling.
- h Education.
 - 1. Elementary works for youth. (See O f 2 +.)
 - 2. Universities, Colleges, Military and Naval Academies, Theological, Industrial, and Common Schools. U. S. and State Reports. (See I n 9, U y 7 +, U y 8.)
 - 3. Instruction for the blind, deaf, etc. (See I i 7, I n 8.)
 - 4. Self-culture. Debating societies and reading clubs.
- i Government and politics, general treatises; histories.
 - 1. Political economy, population, pauperism, wages, labor, strikes, co-operation, communism, socialism.
 - 2. Money, the precious metals, mints, finance, banks, investments, usury, interest tables, paper credit, national debts, taxation. (See U p 5 +, U y 7 △.)

3. Trade, colonization, commerce, weights and measures, auctions.
 - + History of commerce, colonization, and prices. Tariffs (except U. S., U y 7 △), mails, commercial dictionaries, periodicals, etc.
 - △ Reports of Companies, including Boards of Trade. Trade unions. Guilds.
 4. Slavery and the slave trade. (See U y 5.)
 - + African colonization. Liberia. (See U d 12 vi, U x 10.)
 5. Internal improvements, civil engineering, water-works, roads, canals, bridges, tunnels, wheel carriages, etc.
 - + Histories and reports. Canal companies. (See U x 4 +.)
 6. Railroads, tramways, locomotives, including reports of companies, railway guides, and excursions. (See U c 1.) Railway engineering.
 7. Hospitals (see I n 8), dispensaries, and poor-houses. Lazarettos, quarantine. Public and private charities.
- k Physics. Natural philosophy. Dictionaries and encyclopedias; general and miscellaneous treatises, systems, histories, etc. Popular science.
1. Electricity, galvanism, magnetism, heat, gravitation, force.
 2. Electricity, etc., applied to the arts. Telegraphs, telephones, etc.
 3. Meteorology, pneumatics, winds, storms, the barometer, magnetic observations, climate.
 - + Ballooning.
 4. Chemistry.
 5. Applied chemistry.
 6. Spectrum analysis.
- l Natural history: General and miscellaneous works. Cosmology. The creation. Museums. Transactions. Collectors' manuals. (See I y.)
1. Natural history of different countries, etc.
 2. Geology, palæontology, fossils, glaciers, volcanoes, earthquakes, waters, etc.
 - + Baths, springs, mineral waters. Water analysis.
 - △ Petroleum.
 3. Geological reports, maps, etc., alphabetically arranged.
 4. Mineralogy, mines, metals, reduction of ores.
 - + Coal and iron. (See I u 3.) Peat.
 - △ Mining companies, etc.
 5. Botany.
 - + Trees and shrubs. (See I u 11 +, I u 12.)
 - △ Transactions and periodicals.
 6. Zoology, Taxidermy, Instinct.
 - + Birds.
 7. Biology, origin of species, Darwinism, evolution, spontaneous generation, life.
- m Anthropology, the natural history of man, the unity of the human race, etc. (See U f 1.)
1. Descent of man; heredity.

2. Ethnology.
 - + . The negro.
 - △ . Crania, etc.
3. Sociology; history of civilization and progress; social science; modern thought.
- n Medicine: general and miscellaneous works, medical dictionaries, and periodicals.
 1. Anatomy and physiology; histology. Comparative anatomy.
 2. Materia Medica. Pharmacopœias, dispensaries, medical botany.
 - + . Poisons; stimulants and narcotics; tobacco; opium; hasheesh.
 3. Theory and practice of medicine. Nursing.
 - + . Professional ethics.
 - △ . Change of air.
 - . Homœopathy, hydropathy, etc.
 4. Surgery—including military surgery—and obstetrics. Gynæcology.
 - + . Dentistry.
 5. Treatises on particular diseases (alphabetical by subjects).
 6. Diseases incident to various places, professions, etc.
 7. Treatises on health, diet, regimen, longevity, training, bathing, physical beauty; boards of health, public hygiene, etc.
 8. Mental disorders, including Reports of idiot schools and asylums for the insane. (See I i 7.) The brain and its connection with mind.
 9. History of medicine and of medical schools, departments, etc. Medical directories.
- o Mathematics; general and miscellaneous works. Histories.
 1. Arithmetic, algebra, calculus, quaternions.
 2. Geometry, trigonometry, conic sections, surveying, mensuration.
 3. Logarithms; mathematical tables and instruments.
 4. Theory and calculations of probabilities; life annuities.
 - + . Insurance and insurance companies.
- p Astronomy, astronomical tables, and instruments. Theory of the tides.
 1. Almanacs, ephemerides, etc.
 2. Treatises on the Calendar. (See U e.)
 3. Plurality of worlds.
- q Mechanics, hydrostatics, hydraulics, descriptions of machines, steam engines. (See I i 6.)
- r Optics, light, vision, the eye. Acoustics.
 1. The microscope and its revelations; stereoscope; kaleidoscope.
 2. The phonograph, etc.
- s The fine arts; general and miscellaneous works; dictionaries; periodicals.
 - Æsthetics.
 1. Arts of design; perspective; beauty in art.
 2. Painting, enamelling, harmony of colors, chromatography, etc. (See U z 1 △.)
 3. Engraving, lithography.

4. Sculpture, bronzes, seal engraving, wood, paper, and wax carving ; prints of statues, monuments, etc.
5. Photography and photographs ; photolithography.
6. Books of prints, catalogues and descriptions of pictures, galleries, etc. (See U z 3.)
 - + . Illustrated journals.
 - △ . Caricatures and comic papers.
 - . Picturesque views, tours, etc.
7. Music and musical composition. Criticism, dictionaries, periodicals, history, etc.
 - + . Art of singing.
 - △ . Songs, operas, and oratorios, with music. (See O e 7.)
 - . Sacred music.
- IV. General and secular music.
- V. Single instrumental compositions.
- VI. Particular instruments.
8. Ecclesiastical art, Christian iconography, church needlework and vestments.
9. Anatomy for artists.
10. History of art. (See U z 1 △.)
- t Architecture. General works, histories, periodicals, etc. Ancient architecture.
 1. Church and gothic ; bells ; views of churches.
 2. Domestic and rural.
 3. Masonry and bricklaying ; tiles ; cements.
 4. Carpentry and turning.
 5. Warming, lighting, ventilating, and draining buildings. Lightning rods, gas, photogenic oils, fires, and fire engines.
 6. Furniture, house painting, decorative arts, etc.
 - + . Vases, gems, precious stones, finger-rings, plate, bric-a-brac.
 7. Views and descriptions of edifices, ruins, arches, columns, etc. (See U f.)
 8. School architecture.
- u Arts and trades, general works, patents, inventions, periodicals, dictionaries, histories.
 1. Art of memory.
 2. Book-keeping.
 3. Iron manufactures and trade. Steel. (See I l 4 +.)
 4. Other metals ; metallurgy in general.
 5. Textile fabrics and materials. Dyeing and bleaching. (See I u 14.)
 6. Watch and instrument making ; horology ; dialling.
 7. Carriage and cabinet making and painting.
 8. Leather, shoes, etc. Caoutchouc.
 9. Pottery, porcelain, terra cotta, ceramic art, bricks, glass, jpanning.

10. Other arts and trades, arranged alphabetically.
 - + . Brewing and distilling ; gauging ; bar tending.
11. Agriculture and gardening. Agricultural chemistry and products.
 - + . Fruits and fruit trees, vineyards, wines, vinegar.
 - △ . Agricultural and horticultural associations. U. S. and State Reports.
 - . Fish culture.
- IV. Insect enemies.
12. Landscape and ornamental gardening, rural life, forestry, rural cemeteries, etc. (See I l 5 +.)
13. Treatises on horses, cattle, dairy products, sheep, poultry, pigeons, etc. The veterinary art, farriery.
14. Treatises on silkworms and bees. Silk industry. (See I u 5.)
15. Treatises on cookery and carving. Gastronomy. Food. Markets. Sugar boiling.
16. Industrial exhibitions and chefs d'œuvre. South Kensington Museum and Conferences. The Centennial of 1876, etc.
17. Miscellaneous. Domestic economy. Needlework. (See I s 8.) Toilet arts.
- v Navigation, naval architecture, naval tactics. (See U b 10 and I p.)
 1. Historical works. The merchant service. (See U p 8, U y 14.)
 2. Diving ; torpedoes.
 3. Sea fishing.
- w Military art, militia, military engineering. (See E n, I h 2, U y 7 □.)
 1. Military history. (See U p 8 and U y 14.)
 - + . Waterloo campaign.
- x Recreative arts.
 1. Field sports, cricket, angling, the dog, horsemanship and horse racing (See I u 13), coaching, velocipedes, skating, rowing, and swimming. Bull fights, cock fighting, boxing, wrestling, and fencing. Trapping, the rifle, sporting guns and tackle, game birds and animals, etc.
 - + . Sporting tours, anecdotes, magazines, etc.
 2. Parlor pastimes, legerdemain, enigmas, conundrums, charades, and dramas ; dancing. Cards, draughts, dominoes, backgammon, billiards, etc.
 - + . Chess.
- y Memoirs, histories, and transactions of scientific institutions ; academies. (See I l.)
 1. American.
 2. English, Scotch, and Irish. The British Museum.
 3. French.
 4. German.
 5. Other.

Note: Institutions devoted to a particular branch of science will be classed accordingly.
- z General scientific periodicals, year book of facts in science and art, etc.

CLASS O. BELLES LETTRES.

- a Grammar and lexicography ; general works. Philology. Alphabets.
 - 1. Greek and Latin languages.
 - 2. Oriental, European, and other languages, arranged alphabetically.
Note : Books printed in Arabic, Pali, and other oriental and outlandish characters, except Hebrew (A c 3 and A n) and Sanscrit (A q 4) and Bibles (A c) and Hieroglyphics (U f 4) will be classified under O a 2.
- b Rhetoric, criticism, oratory, gesture, elocution, art of conversation and of reading aloud.
 - 1. Exercises in elocution. Speakers and readers.
 - 2. Art of composition and of making translations and abridgments. Punctuation.
- c Orations and orators ; speeches, addresses, discourses.
 - 1. Collected funeral orations. (See U z.)
- d Poetry ; treatises, history, etc.
 - 1. Greek and Latin poetry and translations. Also treatises thereon.
 +. Homer.
 - 2. English poetry and epigrams. (See U p 3 + and U p 4 +.).
 +. Songs and ballads. Chapbooks.
 △. Scottish poetry and treatises thereon.
 □. History.
 IV. Collected British poets and selections in the English language.
 V. Collected American poets and selections.
 - 3. French poetry.
 +. Early, Provençal, and patois ; Chansons de geste, the troubadours and treatises thereon.
 - 4. German and Dutch poetry and poets.
 - 5. Italian poetry ; also treatises and criticisms thereon.
 - 6. Other languages.
 - 7. Macaronics.
Note : In Poetry, Drama, and Fiction, translations into English (except of works written in Latin and Greek) are classed respectively O d 2, O e 2, and O f 2.
- e Drama. Treatises on the stage and histories thereof. Passion plays.
 - 1. Dramatic works ; Greek and Latin and translations.
 - 2. “ “ English.
 +. Shakespeare, including his life, etc.
 - 3. Dramatic works : French.

4. Dramatic works : German.
5. " " Italian.
6. " " Other languages.
7. Musical dramas. Librettos of operas and oratorios. (See I s 7 △.)
- f Fiction : treatises, history, etc.
 1. Works of fiction, wit and humor, imaginary voyages and adventures, fables and legends; Greek and Latin and translations.
 2. English fiction.
 - + . Juveniles.
 3. French fiction.
 4. German fiction.
 5. Italian fiction.
 6. Other fiction.
 7. Folk lore, fairy tales, nursery rhymes, etc. (See A q 1.)
- g Anecdotes, proverbs, maxims, dialogues, emblems, mottoes, anagrams.
 1. Ana : table talk.
 2. Proverbs.
- h Epistolary writers.
 1. History and art of letter writing.
- i Polygraphy ; or the collected works of authors who have written on various subjects and in various styles.
 1. Greek and Latin, and translations.
 - + . Collected editions of the classics.
 2. English.
 3. French.
 4. German.
 5. Italian.
 6. Other.
- k Pamphlets on various subjects bound up together.
- l Pamphlets unbound and awaiting final classification.
- m Literary miscellanies : essays, extracts.
 1. Greek and Latin.
 2. English.
 - + . Early English Text and similar printing societies and collections.
 3. French.
 4. German.
 5. Italian.
 6. Quotations. Concordances other than of the Bible (A d). Index Society ; general indexes to periodicals.
 - + . Greek, Latin, etc.

Note : The Index to a particular work, to an author's collected works, and to a particular periodical, will be placed therewith.
- n Literary journals, magazines, reviews, and transactions.
 1. American.
 - + . Annuals.

2. British.
3. French.
4. German.
5. Other languages.

Note: Periodicals and transactions relating to a particular subject will be classed accordingly, the publications of purely literary associations being lettered O n.

- o Registers and historical journals, statesman's year-book, etc.
- p Gazettes, newspapers, prices current, arranged by localities.
 1. History of newspapers. Newspaper directories.
 2. Newspaper cuttings, scraps, and extracts.

CLASS U. HISTORY.

Note: In cases where the division under History is more minute than under Voyages and Travels (e. g. U d 8 △, U v 10 and U x 2), Travels are reckoned as History, and vice versa.

- a Treatises on history. Historic atlases. The philosophy of history.
- b Geography, gazetteers, etc.

Note: For geographies of the several United States and Territories see U y 8.

1. Atlases, maps, and charts of the world; miscellaneous maps. Cartography.
+. Ancient.
2. Atlases, maps, charts, and plans of Europe, arranged alphabetically by countries.
3. Atlases, etc., of Asia.
4. " " Africa.
5. " " America.
6. " " the United States.
+. Maps relating to the Rebellion.
7. U. S. Coast Survey Charts and Reports.
8. Atlases, etc., of particular States, in alphabetical order, and subdivided by counties, cities, etc. (See U y 8.)
9. Atlases, etc., of Australia, Oceanica, etc.
10. Hydrography; nautical charts; wind and current charts; sailing directions; light houses; the ocean world and its products; coral reefs; lake surveys; rivers. (See I v.)
11. Physical atlases and geographies.
- c Topography and statistics.
 1. Handbooks of Travel, and Guide books. (See U d 8 △, I i 6, I s 6 □.)
 2. British topography, statistics, censuses, etc.
+. Ireland.
△. Scotland.
□. Wales.
 3. British local histories, alphabetical, including Isle of Man.
+. London and the river Thames. (See I t 7.)

4. British county histories and guide books, arranged alphabetically. Isle of Wight.

+ . The Channel Islands.

5. American topography.

Note: For the county and local histories, etc., of the several States and Canada, see U y 8, and U y 9 +.

6. American statistics, censuses, etc. (See U y 7 vii.)

7. Directories, arranged alphabetically by localities.

d Voyages and travels. Treatises on travelling.

1. Histories and collections of voyages. Hakluyt Society.

2. Voyages and travels in various parts of the world. Overland route.

3. Round the world; South Seas; Polynesia; N. W. Passage; N. W. Coast of America.

+ . Arctic and Antarctic expeditions and treatises thereon.

4. Australia, New Zealand, Van Dieman's Land, New Guinea.

5. Shipwrecks and disasters at sea. Life boats.

6. Travels in various parts of Europe; the Mediterranean; Dalmatia and Montenegro; the Rhine, etc.

7. Travels in the North of Europe; Russia, Germany, Hungary, Holland, and Belgium.

8. Travels in Italy, France, Spain, Portugal, Switzerland, etc.

+ . Madeira, the Azores, and the Canaries.

△ . Paris, including Guide books and histories.

9. Travels in Great Britain and Ireland.

10. Travels in Turkey, Greece, the Levant, the Crimea, Syria, Palestine, and Arabia.

+ . The Holy Land, Moab, the Dead Sea, etc., including their history and geography.

△ . Jerusalem.

11. Travels in Persia, China, Hindustan, the East Indies, etc.

+ . Siberia and Kamtchatka. (See U q 2.)

△ . Central Asia, Tibet, Tartary, Kashmir, etc. (See U x 3.)

□ . Caucasus, Georgia, Armenia, the Caspian.

12. Travels in Africa.

+ . Egypt, the Nile, Abyssinia, Ethiopia, Nubia. (See U x 4.)

△ . South Africa. (See U x 11.)

□ . Central Africa.

IV. St. Helena.

V. North Africa. (See U x 9, U x 12.)

VI. West Coast. (See I i 4 +, U x 10.)

VII. East Africa. (See U x 3 □.)

13. Travels in America and voyages thereto.

+ . South America.

△ . Central America and Colombia. The West Indies.

- e General history. Chronology. (See I p 2.) Ancient history.
 - 1. Historical dictionaries: dates.
- f Antiquities: archæology. (See I t 7.)
 - 1. Prehistoric; fossil man; antiquity of man; the stone age; lake dwellings. Atlantis. (See I m.)
 - 2. Chaldea, Babylonia, Assyria, Nineveh.
 - 3. Hindustan, Afghanistan, etc.
 - 4. Egypt and Abyssinia. The Pyramids. Hieroglyphics. Mythology. (See U x 4.)
 - 5. Etruria.
 - 6. Greece and Rome: Asia Minor, Ephesus, Palmyra, Baalbec. (See U m, and U u 2.)
 - + . Herculaneum and Pompeii.
 - △. The catacombs.
 - . The city of Rome; its antiquities and topography.
 - 7. Northern Europe. Druidical remains. British barrows.
 - 8. America. (See U y 1.)
 - 9. Customs and costumes, dress, fashions, popular antiquities, ceremonies, pageants, processions, funeral rites, sepulchres.
- g Numismatics; medals; ancient coins.
- h Chivalry, heraldry, peerage, genealogy, flags, etc. (See I g 3, and U o 1.)
 - 1. Heraldry and heraldic mottoes.
 - + . Continental Europe.
 - 2. Royal and noble Houses, Clans, Peerages, Family histories, arranged alphabetically, and followed by works on Names of persons and places.
 - + . American.
 - 3. Orders of Knighthood.
 - + . St. John and History of Malta.
 - △. Cincinnati.
 - 4. Duelling.
- i Secret Societies, Masonry, Antimasonry, the Rosicrucians, etc. (See A q 1, I e.)
- k Gipsies.
- l History of Greece.
 - 1. Modern Greece.
- m History of Rome.
 - 1. Julius Cæsar, the Emperors and Empresses. (See U s 2.)
 - 2. Byzantine empire. (See U x 1.)
- n Historical Extracts and Miscellanies, etc.
- o History of Europe. Modern history.
 - 1. Middle ages and Renaissance; Feudalism. (See U h.)
 - 2. Crusades.
 - 3. European Colonies. (See U p 10.)
 - 4. The Celts. (See I m 2.)

p British history.

1. England.
 - + . Anglo-Saxons.
 - △ . The Rebellions of 1715 and 1745. The Pretenders and Non-jurors.
2. Scotland.
 - + . Antiquities.
 - △ . Mary Queen of Scots.
3. Wales.
 - + . Welsh Bards.
4. Ireland.
 - + . Irish Bards.
5. Government publications ; State papers ; Parliamentary Blue Books and debates.
 - + . The Exchequer, National Debt, Customs.
 - △ . Publications of the Record Comⁿ and of the Master of the Rolls.
6. British politics, arranged chronologically.
 - + . Junius.
7. Particular reigns ; Wives of British sovereigns ; Cromwell. (See U z *note*.)
8. Naval and military history of Great Britain. Particular Regiments. Lives of Admirals. Army and navy lists. United Service Journals, etc. (See I v 1, I w 1.)
9. Collected lives of British statesmen, regicides, etc.
10. British Colonies and Empire. (See U o 3.)

q History of Russia and Poland. (See U r 2.)

1. Crimean and other wars with Turkey. (See U x 1.)
2. Russia in Asia. (See U d 11 +.)
3. Particular reigns.
4. Poland.

r History of Denmark, Sweden and Norway ; Scandinavia ; the Northmen and the Normans. Sagas. (See U d 7, U f 7.)

1. Iceland.
2. Lapland and Finland. (See U q.)

s History of Germany.

1. Austria, Hungary, Transylvania, Servia, etc. (See U x 1.)
2. Holy Roman Empire, Charlemagne, Charles V., etc.
3. Prussia and the New German Empire.

t History of Holland and Belgium.

u History of Italy and Switzerland.

1. Switzerland and the Tyrol. (See U d 8.)
2. Papal and modern Rome and the States of the Church. (See A o 2, A o 13, U f 6 □.)
3. Venice.
4. Naples : the Two Sicilies.
5. Italian Republics : Monaco.

- v History of France. (See A o 2 △.)
 - 1. Particular reigns, arranged chronologically, including *Mémoires pour servir*.
 - + . Joan of Arc.
 - 2. Revolution of 1789.
 - + . The Dauphin.
 - 3. Consulate and Empire. All lives, etc., of Napoleon I.: also his works.
 - 4. Restoration, Revolution of 1830, Louis Phillippe.
 - 5. Revolution of 1848.
 - 6. Second Empire. Lives and works of Napoleon III.
 - 7. Franco-German war.
 - 8. Republic. The Communists.
 - 9.
 - 10. Corsica.
- w History of Spain and Portugal. (See U x 6 +.)
- x Asiatic and African history. The Mongols. Asiatic Societies, etc.
 - 1. History of the Ottoman Empire and its possessions. The Eastern question. (See U q 1, U s 1.)
 - 2. China and Japan: Coolies. Chinese Emigration. (See A q 6.)
 - 3. Hindustan and the East Indies; Siam, Nepaul, Afghanistan, etc.
 - + . The Hon. E. India Co. and the British rule in India.
 - △. Dutch East Indies. Borneo. Java.
 - . Mauritius and Madagascar.
 - IV. The Sepoy war.
 - 4. Egypt and Abyssinia. (See U d 12 +, and U f 4.)
 - + . Suez Canal.
 - 5. Australasia, Melanésie, Oceanica, Polynesia, Australia, New Zealand.
 - 6. Arabia, the Saracens and the Moors. (See U x 9.)
 - + . Arabs in Spain and their antiquities. (See U w.)
 - 7. Phenecia. (See U x 12.)
 - 8. Persia.
 - 9. Algiers and Algérie. Tunis, Tripoli, the Barbary States, Morocco, etc. (See U x 6.)
 - 10. West coast of Africa: Dahomey. (See I i 4 +, U d 12 vi.)
 - 11. South Africa. The Cape. (See U d 12 △.)
 - 12. Carthage. (See U x 7.)
 - 13. Tartary.
- y History of America.
 - 1. The Aborigines. U. S. Reports on Indian Affairs, etc. (See U f 8.)
 - 2. History of the U. States. Colonial history.
 - + . Mississippi Valley and the Far West.
 - △. Pacific Slope.
 - 3. Revolution.
 - + . American Loyalists.

4. Second war with Great Britain.
5. Secession and the civil war: the Sanitary Commission: U. S. and State Adj.-General's Reports (1861 to 1868): Particular regiments: Rolls of Honor: the Freedmen: Reconstruction: the Alabama question: etc. (See U b 6 +.)
 - + . Confederate States of America.
6. Local and occasional politics, etc., of the U. S., arranged chronologically. Pamphlets relating to American affairs.
 - + . The Federalist.
7. U. S. Government. State Papers, Public Documents, Congressional Debates and Directories, etc.
 - + . Blue Books, Registers of U. S. officers, Army and Navy lists, West Point Registers, etc.
 - △. The Treasury and the Tariff.
 - . War Department. (See U b 6 +.)
- IV. State "
 - V. Navy " Navy regulations.
 - VI. Interior "
 - VII. P. Office Department. (See I i 3 +.)
 - VIII. District of Columbia: Washington City.
8. Particular States and Territories (Except Utah, A o 9), arranged alphabetically. (See U b note.)

Note: Under the history of each State are included, as a rule, its public documents: (See Ef2, Ih2, Il3, Uy5); also local histories, gazetteers, etc. (See U b 8, U c 7.)
9. British America and the W. Indies.
 - + . Nouvelle France: Canada.
 - △. Acadie: Nova Scotia, Newfoundland, New Brunswick, etc.
 - . Jamaica.
 - IV. St. Domingo: Hayti.
 - V. Barbadoes.
 - VI. Cuba, Porto Rico, etc.
 - VII. Bahamas and Bermudas.
 - VIII. Hudson's Bay Territory, Manitoba, Victoria, etc.
 - IX. Danish West Indies.
10. Spanish America, Mexico, and Central America.
 - + . The war between the U. S. and Mexico.
11. South America.
 - + . Peru.
 - △. Brazil, La Plata, Paraguay, etc.
 - . Demarara and Guiana.
 - IV. Chili and Patagonia.
12. Greenland and Labrador.
13. Buccaneers.
14. Naval and military history of U. S., including periodicals.

- z Biography, personal narratives, diaries, wills, eulogiums, arranged alphabetically by subjects.

Note: Lives of reigning Sovereigns are classed U p, U q, U r, etc.

1. Biographical dictionaries and collections. (See A o 13, 14.) Next of kin.

Collected wills.

+ . American.

△. Artists; painters, engravers, musicians, architects, players.

□. Judges, chancellors, lawyers.

2. Biography in the French language. (See U v 1.)

3. Portraits and treatises thereon, etc. (See I d and U g.)

4. Epitaphs.

5. Autographs.

+ . American.

Note: Books, letters, etc., relegated to the Department of Manuscripts, will have a distinguishing mark (MS.) in the card catalogue, but will be classified precisely as if they were in print; autographs which have a value chiefly as illustrating the writer's life and character being marked Uz 5, or Uz 5+. The cards used for the Department of Manuscripts should be of a different color from the rest.

CLASS Y. BIBLIOGRAPHY.

- a General and miscellaneous catalogues and treatises. Periodicals. Best reading.
- b Special catalogues and treatises.
 - 1. Americana.
 - 2. Pseudonyms and autonyms.
- c Sale catalogues, Publishers' Circulars and Trade Lists.
- d Catalogues and descriptions of private libraries.
- e Catalogues of public libraries.
- f Art of cataloguing, classification of knowledge: Library economy, histories, associations, periodicals, etc.
- g Arts of writing, illuminating, printing, and book binding. Manufacture of paper and ink.
 - 1. Playing cards and block books, with fac-similes thereof.
 - 2. Exemplaria Typographica: Aldus, Baskerville, Strawberry Hill, Saur, Jansen, Ephrata, etc. Printing for the blind.
 - 3. Curious bindings.
 - 4. Penmanship.
 - 5. Philately. Catalogues of postage and excise stamps.
- h Stenography, Phonetic writing and printing, Steganography, etc.
- i Book rarities, incunabula, book plates and treatises thereon.
 - 1. Rarissima necnon pretiosa.
 - 2. Palæographia: Illuminated MSS. and Fac-similes. Diplomatics.
 - 3. Incunabula, and curious books of the 16th century.
 - 4. Ex-libris and treatises on book plates.
- k History and philosophy of literature.
 - 1. Greek and Latin.
 - 2. English.
 - + American. (See Y b 1.)
 - 3. French.
 - 4. German, Dutch, and Scandinavian.
 - 5. Italian.
 - 6. Other. (See A n.)

INDEX.

NOTE.

For the convenience of Librarians who use Mr. Dui's system of classification, his numbers are appended in the OUTER COLUMN of this Index.

The letter S means *see the subject*.

When a reference is made to two or more subdivisions, they should all be referred to before deciding under which head to classify a particular book.

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"A place for everything, and everything in its place."

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Hydrography	O b 10	551, 627, 527	Industrial exhibitions	I h 2	607
Hydromechanics	I q	532	history	I u 16	606
Hydrophathy	In 3 □	615	Inebriate institutions	I u	609
Hydrophobia	In 5	614, 616	Infallibility	I i 7	364
Hydrostatics	I q	532	Infanticide	Al 1 +	238, 282
Hygiene	In 7	613	Infantry	E i	173, 345
“ mental	In 8	131	Infidel books	I w	356
Hymnology	A i	245	Infidelity	A f	211
Hypochondria	In 5, In 8	132, 616	Ink	A f	211
Icebergs	U d 3 +	553	Inoculation	Y g	661
Iceland	U r 1	948	Inorganic chemistry	In 5	614, 615
Icelandic language	O a 2	498	Inquisition	I k 4	546
Icelandic literature	Y k 4	898	Insane Hospitals	A o 12	272
“ poetry	O d 6	898	Insanity	In 8	361
Ichthyology	I l 7	597	Inscriptions	In 8	132
Iconography	Is 4	732	Insects	U f	417
“ Christian	Is 8	730	“ injurious	I l 6	595
Idealistic psychology	I c	141	Inspiration	I u 11 iv	632
Idiocy	In 8	132	Institute of France	Al 3	238
Idiot schools	In 8	361	Institutions	I l 6	158
Idolatry	A q	290	“ educational	I y 3	64
Illinois	U y 8	977	“ Feudal	I i	360
Illuminated manuscripts	Y i 1	21	“ Monarchic	I h 2	378
Illumination (lighting)	I t 5	644	“ Musical	Ed, U o 1	322
Illustrated journals	Is 6 +	705	“ of religion	I i	323
Imagination	I c	156	“ Patriarchal	Is 7	789
Immersion	A o 6	264, 286	“ Republican	A n	260
Immigration	I i 3	325	Instruction	I i	321
Immortality	Al, I e	218, 237	Instrumental music	I h	324
Imprisonment for debt	E h	345	Instruments, engineering	Is 7	371
Incarnation	Al	232	“ making	I o 3	785
Income	I i 2	333		I o 6, I u 3	629
Incunabula	Y i 3	23			681

Insurance	I o 4 +	368	Italian drama	O e 5	852
Insurance companies	I o 4 +	368	“ fiction	O f 5	853
Integral calculus	I o 1	517	“ language	O a 2	450
Intellect	I c	151	“ literature	O i 5, Y k 5	850
Intellectual philosophy	I c	140-150	“ music	I s 7 △	780
Intemperance	I g 5, I n 2 +	178	“ painting	I s 10	755
Intercommunication	I i 5	380, 650	“ philosophy	I a 1	195
Interest	I i 2	334	“ poetry	O d 5	851
“ tables	I i 2	658	“ renaissance	U o 1, U u	945
Interior Department	U y 7 vi	353	“ republics	U u 5	945
Intermarriage	I g 2	136, 618	“ sculpture	I s 4	734, 735
Intermediate state	A 1	237	Italy	U b	8
Interment	U f 9	614, 390	history	U u	945
Internal improvements	I i 5	620	travels	U d 8	914
International copyright	E m	343	Jacobins	U v 2	363, 944
International exhibitions	I u 16	600	Jainism	A q 4	294
“ law	E b	341	Jamaica	U y 9 □	979
Intolerance	A a	272	Jansenism	A o 2 +	282
Intuitive psychology	I c	143	Japan	U x 2	952
Inventions	I u	608	Japanese art	I s	8
Inventors, lives of	I u, U z	926	language	O a 2	492
Invertebrates	I l 6	592	literature	O a 2, Y k 6	892
“ palæontology	I l 2	562	Japanning	I u 9	698
Investments	I i 2	333	Java	U x 3 △	992
Ionian Islands	U l 1	949	Jerusalem	U d 10 △	915, 956, 933
Ionic philosophy	I a 1	182	Jests	O f	819, 820, 839, etc.
Iowa	U y 8	977	Jesuit missions	A o 15 △,	
Iranian languages	O a	495		U y 9 +	266, 282
“ literature	Y k 6	895	Jesuits	A o 15 △	271, 282
Ireland	U c 2 +, U d 9,		Jesus	A d, A l	232
	U p 4	941	Jewelry	I t 6, I u 10,	
Ireland, geography	U b, U c 2 +	914		U f 9	646, 671
history	U p 4	941	Jewish antiquities	A n	933
travels	U d 9	914	literature	A n	803
Irish bards	U p 4 +	928, 821	philosophy	A n	180, 181
“ church	A o 2, 3	283	religion	A v 3, A n	281
“ language	O a 2	496	Jews, ancient	A d	933
“ literature	Y k 6	896, 820	history	A n	933
“ music	I s 7	780	medieval	A n, U o 1	956
“ poetry	O d, U p 4 +	896	modern	A n	956
Iron	I l 4 +	672	Joinery	I t 4	694
“ architecture	I t, I u 3	691	Journalism	O p 1	50
“ bridges	I i 5, I u 3	624	Judaism	A n	296
“ manufacture	I u 3	672	Judgment and future state	A l	237
“ metallurgy	I u 3	672	Junius letters	U p 6 +	329
“ mineral	I l 4 +	549, 669	JURISPRUDENCE	E	340
“ ships	I v	699	Jury trial	E e	342
Iron-clad ships	I v	359, 699	Justification	A l	234
Irrigation	I u 11	631	Joan of Arc	U v 1 +	944
Islam	A p	297	John, epistles of	A c 5, A e	221
Isle of Man	U c 3	914, 942			
Israelites	A n	933			

John, gospel of	A c 5, A e	226	Latin, medieval	O a 1	479
" revelation of	A c 5, A e	228	" poets	O d 1	871
Journeys round the world	U d 3	910	Laundry	I u 17	648
Judges, lives of	U z 1 □	923	Law	E	340
Jugglery	I x 2	133	ancient	E d	340
Jurisprudence, medical	E i	343	canon	E d	348
Juvenile books	O f 2	8	civil	E d	348
criminals	E h 345, 364, 296,		commercial	E e 2	343
	391, 893		common	E e	343
Kabbala	A n	705	constitutional	E f	342
Kafirs	U d 12 △, U x 11	968	criminal	E h 2	345
Kaleidoscope	I r 1	536	dictionaries	E a 1	340
Kamschatka	U d 11 +,		English	E f 3	340
	U q 2	915, 959	French	E f 4	340
Kansas	U y 8	977	history of	E a	340
Kant's philosophy	I a	193, 142	maritime	E b	346
Keltic, ancient history	U o 4	936	mercantile	E e 2	343
" language	O a 2	496	military	E n	347
" literature	Y k 6	896	of nations	E b	341
Kentucky	U y 8	976	of real property	E e 1	343
Kindergarten	I h	372	of U. S.	E f 1	340
Kinematics	I q	531	Roman	E d	348
Knighthood	U h 3	322	Lawns	I u 12	712
Kings	U z 5 note	923	Lawyers' lives	U z, U x 1 □	923
Kitchen economy	I u 15	640	Lazarettos	I i 7	361
gardening	I u 11	635	Lead	I u 4	549, 671
middens	U f 1	322	metallurgy of	I u 4	669, 671
Knighthood	U k 3		mining	I l 4	628
Koran	A p 2	297	Leather	I n 8	675
Labor	I i 1	331	Lectures	O c, etc.	815, 825,
Labor questions	I i 1	331			835, etc.
Laboring classes	I i 1	331	Legends	O f	291-293
Labrador	U y 12	972	Legerdemain	I x 2	133
Lace-making	I u 5	677	Legislation	E f	343, 328
Laconics	O m		Legislative annals	U y 7, etc.	328
Lake dwellings	U f 1	571	Legitimacy	E e 3	343
" surveys	U b 10	622, 656	Lent	A g	244
Lakes, artificial	I u 12	714	Lepidoptera	I l 6	595
Lamaism	A q 7	294	Letter writing	O h 1	816
Land surveying	I o 2	622	Lettering, ornamental	Y g 4	145
Landlord and tenant	E e 1	333	Letters	O h	816
Landscape gardening	I u 12	710	alphabetical	O a	411, 421, etc.
" painting	I a 2	758	(correspondence)	O h	816
" photographs	I s 5	778	Levant	U d 10	956, 962
Language, universal	O a	408	Levelling	I i 5	622
Lapland	U r 2	947, 948	Leviticus	A c 3	222
Late war (1812)	U y 4	973	Lexicography	O a	403, 413
Latin Church	A o 2	282	Lexicons	O a 1, 2	413, 423,
" classics	O i 1 +	870			433, etc.
" language	O a 1	470	Libel	E e	345
" literary history	Y k 1	470	Liberia	I i 4 +	916, 969
" literature	O d 1, O i 1, etc.	870	Liberty	I i	324

Liberty of press	E e	324	Logic	I f
Libraries	Y d, e, f	19	Lollards	A o 15 +
“ sales of	Y c	17, 18, 19	London	U c 3 + 91
Library catalogues	Y d, e	17, 18	Longevity	I n 7
“ economy	Y f	19	Lord's day	A n 1
“ history and reports	Y f	19	“ Prayer	A h
Librettos, opera	O e 7	782	“ Supper	A g
Lichens	I l 5	582	Lorraine	U s, U v 94
Life	I l 7	570	Lotteries	I g 6
“ boats	U d 5	699	Louis Philippe	U v 4
“ future	A l, I e	218, 237	Louisiana	U y 8
“ insurance	I o 4 +	368	Low countries	U t
“ (physiologically)	I l 7	570	“ Dutch	O a 2
Light	I r	535	Loyalists	U y 3 +
Lighthouses and ships	U b 10	656, 627	Luke	A c 5
Lightning and light'g-rods	I k 3, I t 5	537	Lunnacy	I n 8
Lights and fuel	I t 5	644	Lunatic asylums	I n 8
Line engraving	I s 3	765	Lung diseases	I n 5
Linen manufacture	I n 5	677	Lutherans	A o 11 +
Linguistics	O a	400	Lyric poetry	O d 811
Liquors	I g 5, I u 10 +	663		83
Litany	A g 1, 2	244	“ “ Greek	O d 1
Literary criticism	O b	824, 834, 844, etc.	“ “ Latin	O d 1
periodicals	O n	805	Mabinogion	O f 7
miscellanies	O l	819	Macaronics	O d 7 819, 82
English	O l 2	829	Machine engraving	I s 3
French	O l 3	849	Machinery	I q
German	O l 4	839	Machines	I q
Italian	O l 5	859	Madagascar	U y 3 □
Spanish	O l 6	869	Madeira	U d 8 +
property	E m	343	Madness	I n 8
Literature	O	800	Magazines	O n 50, 10
ancient	Y k 1	870, 899	Magic	I e, I x 2
biography of	U z, Y k	928	Magnetic observations	I k 3
classical	O d 1, O e 1, etc. Y k 1	870, 880, 488-498	Magnetism	I k 1
history of	Y k	809	“ animal	I e 4
medieval	Y k 6	S	Magyar language	O a 2
modern	Y k	S	literature	Y k 6
oriental	Y k 6	890	poetry	O d 6
Lithography	I s 3	763	Magyars	U s 1
Lithology	I l 4	552	Mahometanism	A p
Liturgies	A g	444	Mails	I c 3 +
Local histories, American	U y 8, U y 9 +		Maine	U y 8
“ “ British	U c 3	976, 980 941, 942	Malacca	U d 11, U x 3
Locke	I c	192, 145	Malaria	I n 6
Locks and keys	I u 10	683	Malayan language	O a 2
Locomotives	I i 6	621	Malaysia	U x 3
Logarithms	I o 3	514	Malt	I u 10 +
“ tables	I o 3	514	Malta	U h 3 +
			Mamelukes	U x 1

Mammalia	I l 6	599	Mauritius	U x 3 □	
“ palæontology	I l 2	569	Mausoleums	I s 4, U f 9	718
Man	I m	233	Maxims	O g 819, 829, 839,	etc.
“ antiquity of	U f 1	571	Measles	I n 5	616
“ ethnography	I m 2	390	Measures and weights	I i 3	389
“ mental nature of	I o	130, 150	Mechanic arts and trades	I u	680
“ natural history of	I m	573	“ dictionaries	I u	603
“ physiology of	I n 1	612	“ exhibitions	I u 16	606
Mania	I n 8	132	“ periodicals and transac-		
Maniacs	I n 8	132	“ tions	I u	605
Manitoba	U y 9 viii	917, 971	Mechanical drawing	I s 1	744
Manners and customs	U f 9	390	“ engineering	I q	621
Manuals, collectors'	I l, I s, U g, etc	579	“ trades	I u	680
“ travellers'	U d	910	Mechanics	I q	531
Manufactures	I u	670	Mechanics' associations	I i 1	606
“ history of	I u	670	Medals	U g	737
Manures	I u 11	631	Medical biography	I n 9, U z	926
Manuscripts	U z 5, Y i 2	13-21	“ botany	I n 2	615
Maps	U b i, U b 2, etc.	910	“ dictionaries	I n	610
“ astronomical	I p	524	“ directories	I n 9	610
Marble manufacture	I s 4	673	“ education	I n 9	610
Marbles	I l 4	731	“ ethics	I n 3 +	174, 616
Marine architecture	I v	699	“ history	I n 9	610
“ insurance	I o 4 +	368	“ jurisprudence	E i	343
“ law	E b	346	“ periodicals and transac-		
Maritime law	E b	346	“ tions	I n	610
Mark	A c 5	226	“ practice	I n 3	616
Market gardening	I u 11	635, 643	“ schools	I n 9	610
Markets	I u 15	643	Medicine	I n	610
Marriage, customs	U f 9	390	“ history of	I n 9	610
“ ethics	I g 2	173	“ veterinary	I u 13	619
“ law	E e 3	343	Medieval architecture	I t	723
Martial law	E n	347	“ art	I s 10	709
Martyrs	A o 13	272	“ customs, costumes	U f 9	392
Mary Queen of Scots	U p 2 △	933	“ design	I s 1	747
Maryland	U y 8	976	“ history	U o 1	900
Mason & Dixon's line	U y 8	326	“ Latin	O a 1	479
Masonry	I t 3	693	“ philosophy	I a 1	108, 109
“ Free	U i	366	“ sculpture	I s 4	734
Massachusetts	U y 8	974	Meditations, theology	A h	242
Materia medica	I n 2	615	Mediterranean	U b 10, U d 6	S
Materialism	I o	146	Melancholy	I n 8	132
Materials, building	I t	691	Melanésie	U x 5	
Maternity	I g 2, I n 4	136, 618	Melodeon	I s 7 v i	786
Mathematical drawing	I s 1	744	Melody	I s 7	781
“ instruments	I o 3	629	Memoirs	U z	920
“ tables	I o 3	514	“ scientific	I y	506
Mathematics	I o	510	Memory	I u 1	154
“ history of	I o	510	Mensuration	I o 2	612
“ periodicals and transac-			Mental derangement	I n 8	132
“ tions	I o	510	“ faculties	I o	158
Matthew	A c 5	226			

Mental hygiene	I n 8	131	Mineralogy	I l 4	549
“ philosophy	I c	140-150	Mines, mining	I l 4	628
“ physiology	I n 8	131	Miniatures	I s 2	757
“ science	I c	150	Mining companies	I l 4 Δ	628
Mercantile law	E e 2	343	Ministers	A l	250
manuals	I i 3	656	“ lives	A o 14, U z	922
theory and practice	I i 3	382, 658	“ office and duty of	A l	250
Merchant service	I i 3 +, I v 1	387	Minnesingers	O d 4	831
Merchants, lives of	I i 3 +, U z	923	Minnesota	U y 8	977
Mesmerism	I e 4	134	Minstrelsy	O d 2 +, etc.	811, 821, 831, etc.
Mesopotamia	U d 10, U x 1	959	Mints	I i 2	332
Messiah	A l, A n	232	Miracles	A f 2	231
Metal manufactures	I u 4	671	Miscellanies, historical	U n	902, 904
Metallurgy	I l 4, I u 4	669	Miscellany, literary	O m	819
Metaphysics	I c	110	English	O m 2	829
Meteorology	I k 3	551	French	O m 3	849
Methodism	A o 7	287	German	O m 4	839
Methodology	I c	112	Italian	O m 5	859
Methods of education	I h	371	Spanish	O m 6	869
Metric system	I i 3	389	Missals	A g 1, Y i 2 244,	282
Metrology	I i 3	389	Missions	A o 15	266
Mexican war	U y 10 +	973, 978	“ foreign	A o 15	267
Mexico	U y 10	978	Missionaries	A o 14 266, 267,	922
geography	U b	917	Mississippi River	U b 10	917
history	U y 10	978	“ State of	U y 8	976
travels	U d 13	917	“ Valley	U y 2 +	917, 977
Mezzotint	I s 3	776	Missouri	U y 8	917, 977
Michigan	U y 8	917, 977	“ River	U b 10, U y 2 +	917
Microscopy	I r 1	578	Mnemonics	I u 1	154
Middle ages, history	U o 1	8	Moab	U d 10 +	933
“ States	U y 2	975	Modeling	I s 4	731
Midwifery	I n 4	618	Modern architecture	I t	724
Military and naval arts	I v, I w	355-359	“ costumes, customs	U f 9	393-399
academies	I h 2, I n,		“ geography	U b	913-919
U y 7 +		355, 378	“ Greek	O a 1	489
engineering	I w	623	“ history	U o	940-999
history	I w 1	355	“ philosophy	I a	190
law	E n	347	“ sculpture	I s 4	735
schools	I h 2	355, 378	“ thought	I m 3	215
science	I w	355	Mohammedanism	A p	297
surgery	I n 4	617	Molecular physics	I k	539
Militia	I w	355	Mollusca	I l 6	594
“ laws	E n		palæontology	I l 2	564
Milk	I u 13	637	Monaco	U u 5	914, 945
Millennium	A l	236	Monarchie institutions	I i	323
Millinery	I u 17	646	Monasteries	A o 15 +	271
Mills, cotton, woollen, etc.	I u 5	677, 678	Monastic orders	A o 15 +	271
paper	Y g 1	676	Money	I i 2	332
Mill-work, Mill-wrights	I u 10	621	Mongolian language	O a 2	499
Mind	I c	150	Monitors, iron-clads	I v	359, 699
“ and body	I n 8	130	Monks	A o 15 +	271
Mineral waters	I l 2 +	615			

Monograms	Is 6, Y g 4	745-748	Musical instruments	Is 7 vi	786, 788
Monopolies	I i i	331	Musicians	U z i △	927
Montana	U y 8	977	Mutual aid societies	I i i	361
Montenegro	U d 6	914	Mysteries	A q 2 +, I e	133
Monuments	Is 4, U f	718	Mysticism	A o 2 +	289
Moon	U p	523	Mythology, comparative	A q i	291
Moral philosophy, history	I g	170	“ German	A q 3	293
systems	I g	170	“ Greek & Roman	A q 2	292
Morals of amusements	I g 4	175	“ Norse	A q 3	293
business	I g 4	174	“ of Egypt	U f 4	291
marriage	I g 2	173, 176	“ Oriental	A q 4, 5, 6	294, 297
politics	I g	172	Myths	A q, O f 7	291
society	I g 3	177	Names	U h 2	929
young men	I g 3	170	Naples	U u 4	914, 945
young women	I g 2	170	Napoleon I	U v 3	923, 944
Moravian missions	A o 15	266	“ III	U v 6	923, 944
Moravians	A o 11	289	Narcotics	I n 2 +	615
Morea	U l i	949	National costumes	U f 9	390
Mormonism	A o 9	298	“ customs	U f 9	390
Morocco	U x 6	964	Natural history	I l	550-590
Morphology	I l 5	581	“ “ Biblical	A d	220
Mortality statistics	U c	312	“ “ of different		
Mortar	I t 3	693	countries	I l i	550-599
Mortgages	E e 1	343	Natural philosophy	I k	530
Mosaics	Is 2	751	“ science	I l	500
Moslems	A p	297	“ selection	I l 7	575
Mosquito shore	U y 10	979	“ system of botany	I l 5	582
Moses	I l 5	582	“ -theology	A b	210
Mothers	I g 2, I n 4	173	Naturalization	E o	343, 325
Moths	I l 6	595, 646	Nature	I l	500
Mottoes	O g, U h i	819, 829, etc.	Naval architecture	I v	699
			“ history	I v i, U p 8, U y 14	359
Mouldings	I t	721	Naval men, lives of	U p 8, U y 14, U z	926
Mound-builders	U f 8	571	Naval schools	I h 2	359, 378
Mountains	U b 11	551	Naval science	I v	359
Mulberry	I u 11 +	634	Naval war	I v	359
Municipal government	I i	342	Navies	I v, U p 8, U y 14	359
“ law	E f	343	Navigation	I p, I v, U b 10	527, 656
Murder	E h	345	“ laws	I i i	346
Music	Is 7	780	Navy, British	U p 8	359, 941-2
criticism	Is 7	780	“ U. S.	U y 7 v	359, 973
dictionaries	Is 7	780	Nebraska	U y 8	977
history	Is 7	780	Necromancers	I e, U z i	133
periodicals	Is 7	780	Needle-work	Is 8, I u 17	646, 793
sacred	A i, Is 7 □	783	Negroes	A m 2 +	573, 326
secular	Is 7 i v	S	Negro slavery	I i 4, U y 6	326
single compositions	Is 7 v	S	Neo-platonism	I a i	186
songs with	Is 7 △	784	Nepotism	I i	323
vocal	Is 7 +	784	Nervous system	I n i	611
Musical collections	Is 7 i v	780, S	Nestorians	A o i	281
“ composition	Is 7	781			
“ drama	Is 7 △, O e 7	782			

Netherlands	U t	949	Northwest Passage	U d 3	998
Neuroptera	I l 6	595	Norway	U f 7, U q 3, U r	948
Neutrals	E b	341	Nosology	I n 3	616
Nevada	U y 8	977	Nouvelle France	U y 9 +	972
New Brunswick	U y 9 Δ	972	Nova Scotia	U y 9 Δ	972
“ England	A o 5, U y 8	974	Novels	O f	813
“ Granada	U y 11	986	English	O f 2	823
“ Guinea	U d 4	995	French	O f 3	843
“ Hampshire	U y 8	974	German	O f 4	833
“ Jersey	U y 8	975	Italian	O f 5	853
“ Mexico	U y 8	978	Spanish	O f 6	863
“ Orleans	U y 8	917, 976	Nubia	U d 12 +, U x 11	962
“ Platonism	I a 1	186	Numbers, book of	A e 3	222
“ Testament	A e 5	225	Numismatics	U g	377
“ York	U y 8	975	Nunneries	A o 15 +	362
“ York city	U y 8	917, 975	Nursery	I u 17	649
“ Zealand	U d 4, U x 5	996	Nursing	I n 3	616, 649
Newfoundland	U y 9 Δ	971	Oaths	E a	349
Newspaper cuttings	O p 2	8	Object teaching	I h	371
Newspapers	O p	50	Observations, astronomical	I p	525
Nicaragua	U d 13 Δ, U y 10	979	Obstetrics	I n 4	618
Nile	U d 12 +, U x 4	916	Ocean currents	U b 10	551
Nineveh	U f 2	915, 935	“ exploration	U d 3	910
Nobility	U h	322	“ geography	U b 10	910
Nobles, lives of	U h 2	923	“ transportation	I v, I v 1	387, 656
Non-Christian religions	A q	290	“ world	U b 10	551, 597, 913
Non-jurors	U p 1 Δ	283, 274, 942	Oceanica	U x 5	990
Normal schools	I h	371	botany	I l 1, I l 5	589
Norman conquest	U p 1	942-946	customs and costumes	U f 9	399
Normandy	U d 8, U v	944	ecclesiastical history	A o 15	279
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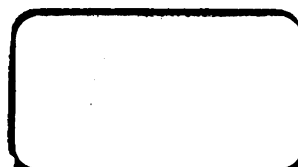
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